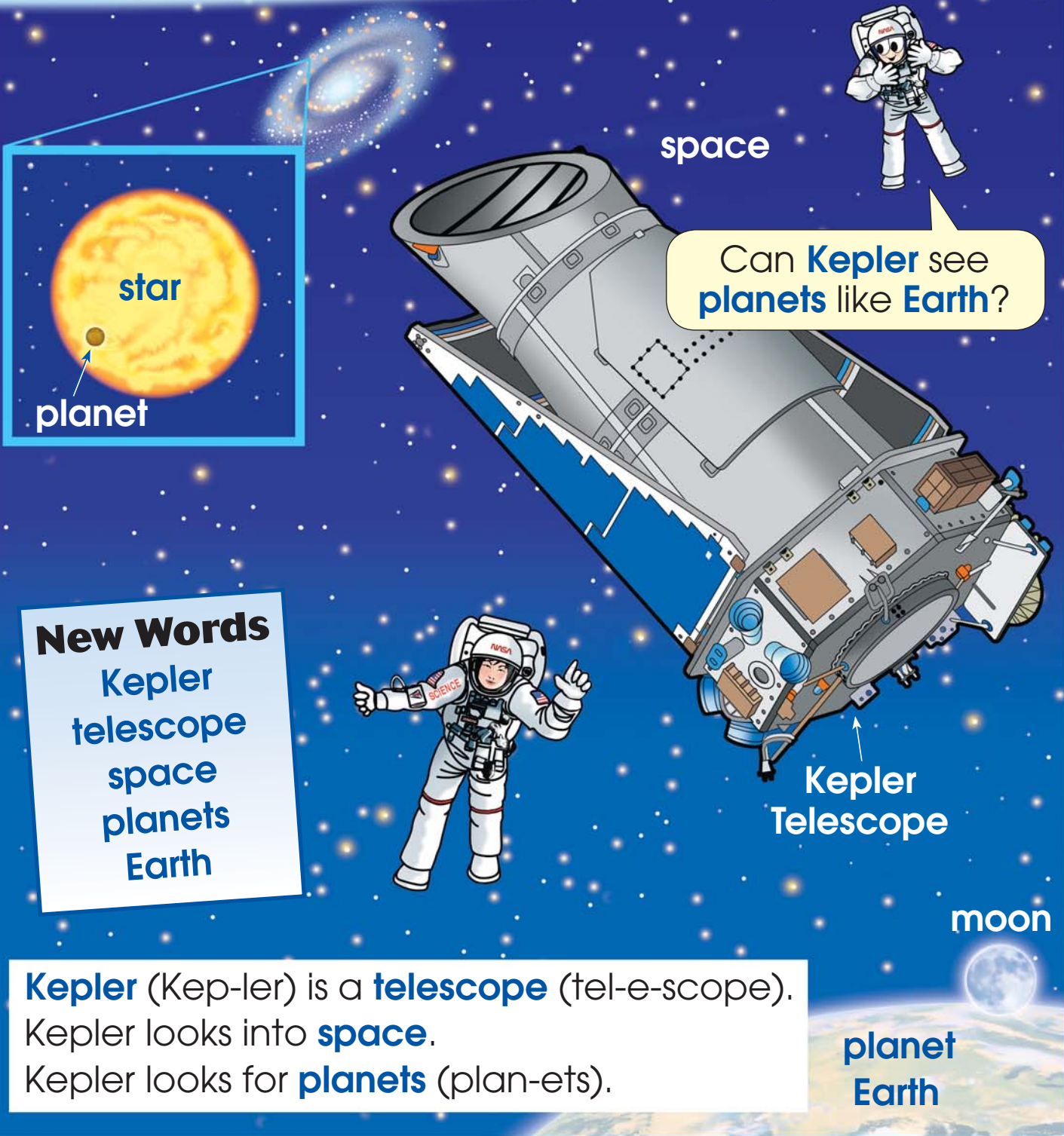


The Kepler Space Telescope



New Words

Kepler
telescope
space
planets
Earth

Kepler (Kep-ler) is a **telescope** (tel-e-scope).
Kepler looks into **space**.
Kepler looks for **planets** (plan-ets).



Vocabulary

Match each word to a picture.

NOTE TO TEACHERS
and PARENTS:

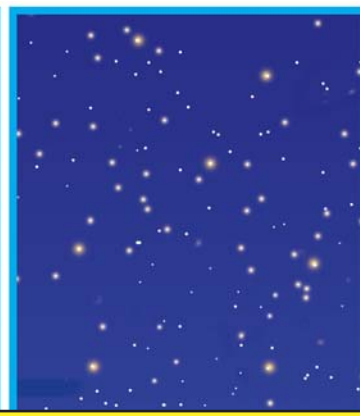
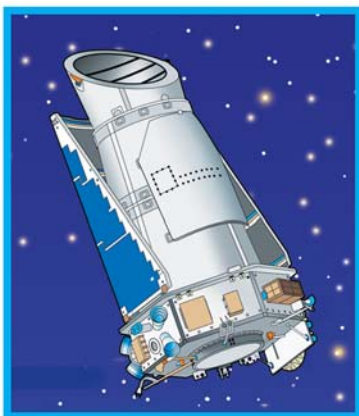
(See directions in Teaching
Notes for all activities.)

telescope

space

Kepler

planet



Weekly Lab

A planet moves in front of its star.

The star's light **dims**. Kepler looks for this. Can you?

ADULT SUPERVISION REQUIRED

ATTENTION TEACHERS:

Please read the Teaching Notes
before beginning this activity.

You need: modeling clay, string, large white ball

Step 1: Make a planet out of the clay.

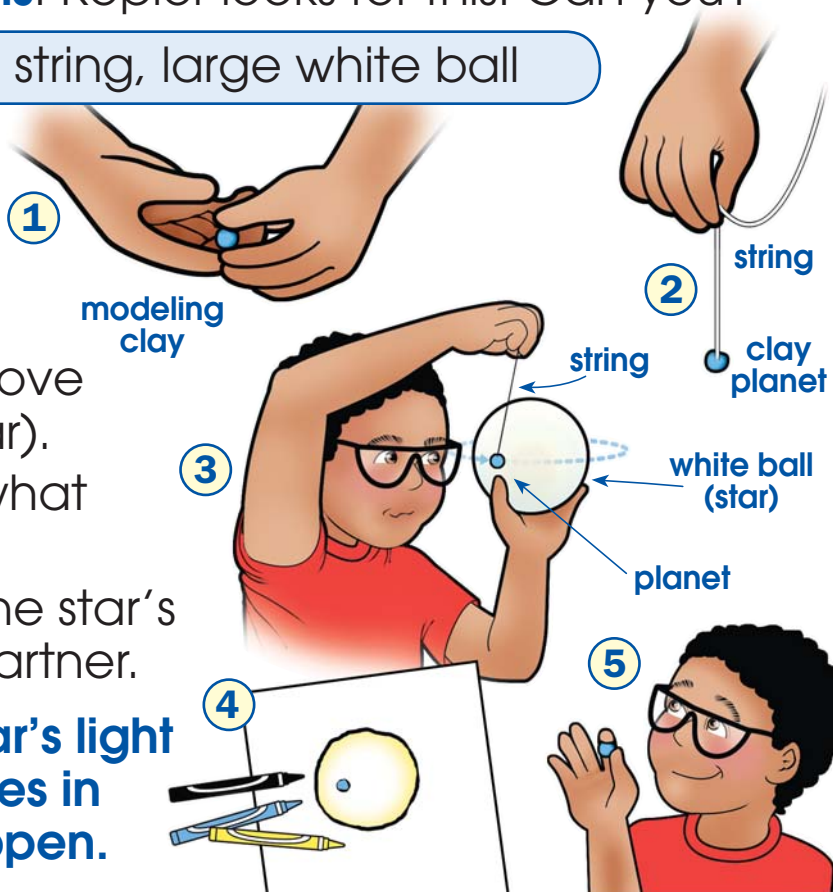
Step 2: Stick the planet on the end of a string.

Step 3: Make the planet move around the ball (star).

Step 4: Draw a picture of what you see.

Step 5: What happens to the star's light? Why? Tell a partner.

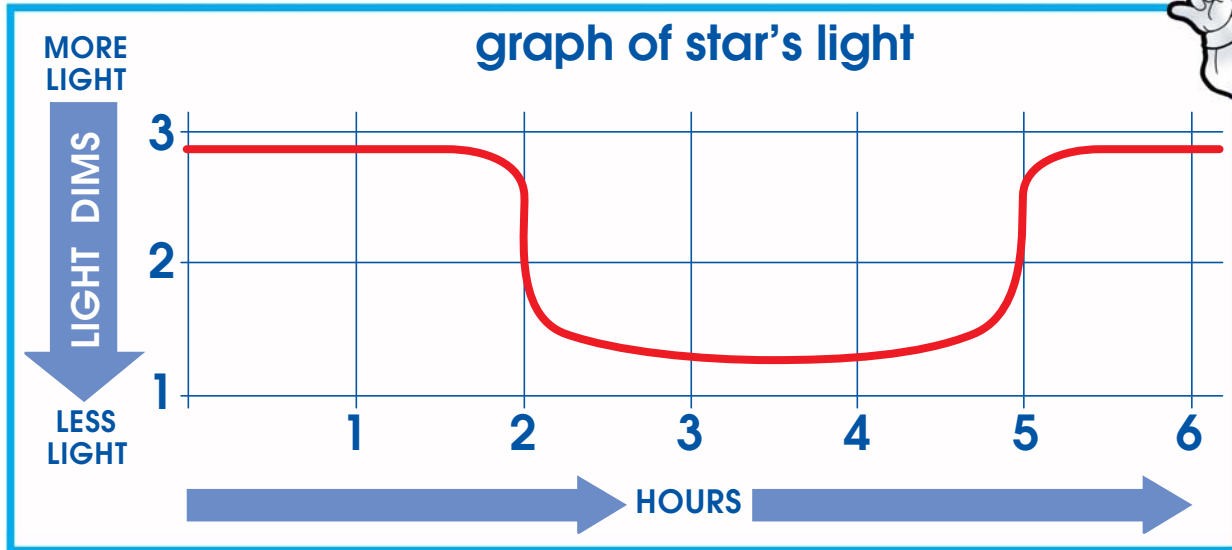
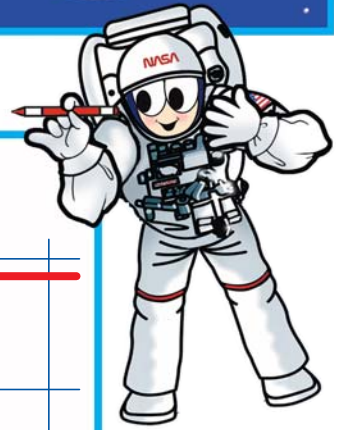
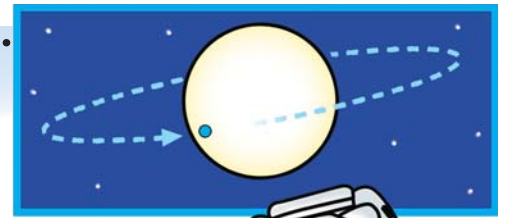
The star's light dims. The star's light dims when the planet moves in front. Kepler can see it happen.





Math

See the **graph**? See the **red line**?
The red line shows the star's light.
Circle the red line where the light dims.



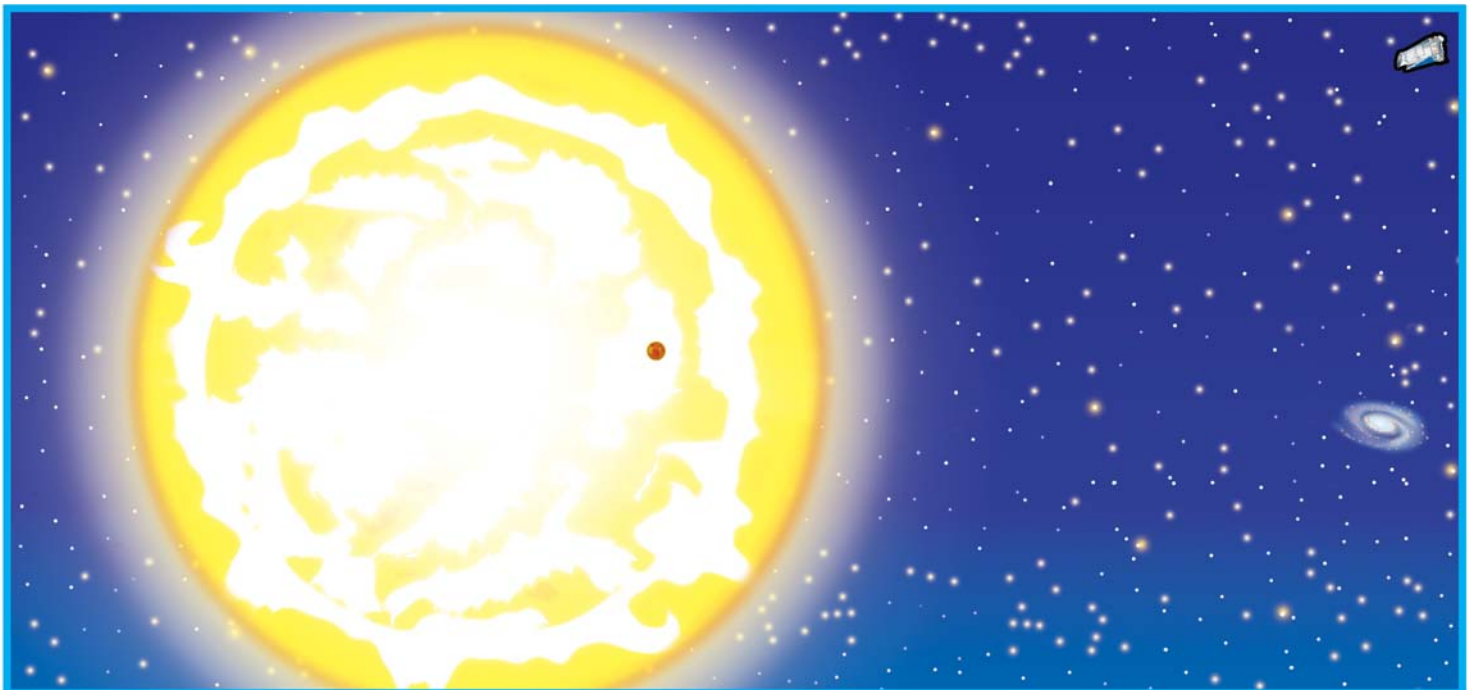
hours

How many hours was the planet in front of the star?



Writing in Science

The planet is far away. Why is the planet hard to see?
Write a sentence. Use another sheet of paper.



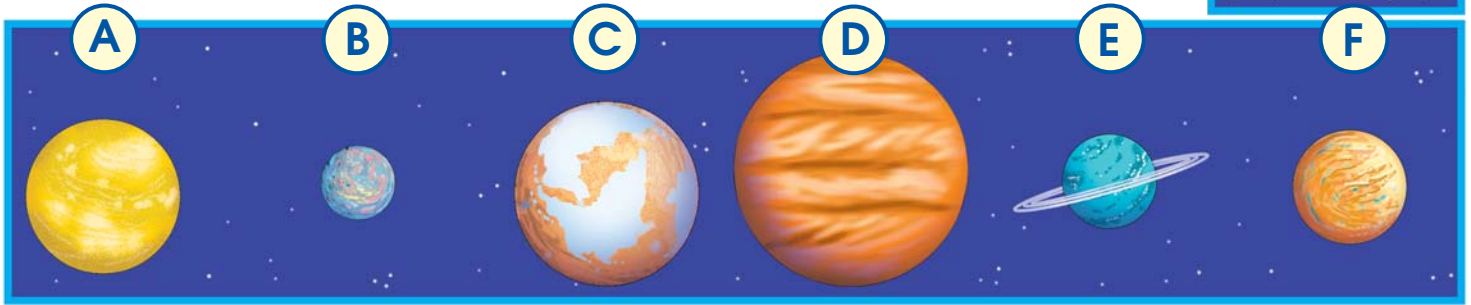


Challenge

Earth



Circle the planet that looks most like Earth.



Bringing It Home

Adult Supervision Recommended

Make a **model** (mod-el) of Kepler space telescope.

You need: cardboard tube, scissors, markers, glue or tape

Step 1: Cut out the parts.

Step 2: Color the parts.

Step 3: Glue or tape the parts.

